

Historic, Archive Document

Do not assume content reflects current
scientific knowledge, policies, or practices.

WV
2
**FEDERAL-STATE-PRIVATE
COOPERATIVE SNOW SURVEYS**



U. S. DEPT. OF AGRICULTURE
NATIONAL SOIL CONSERVATION SERVICE
LIBRARY

FEB 12 1972

PROCUREMENT SECTION
CURRENT SERIAL RECORDS

WATER SUPPLY OUTLOOK FOR UTAH

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah State University, U.S. National
Park Service, U.S. Geological Survey, and other Federal, State,
and private organizations.

AS OF
JAN. 1, 1972

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO NUMBER ORC 221-3

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

|||||
Released by

A. W. HAMELSTROM

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

In Cooperation with

HUBERT C. LAMBERT

STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES

|||||
Report prepared by

BOB L. WHALEY, Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
FEDERAL BLDG., ROOM 4012
SALT LAKE CITY, UTAH 84111

WATER SUPPLY OUTLOOK

as of

JANUARY 1, 1972

* * * * *
* Utah's Water Supply Outlook is already well above average. *
* Early winter storms and cold weather have produced a heavy *
* accumulation of snow on most watersheds of the State and *
* watershed soils are well primed by above average fall pre- *
* cipitation. Reservoir storage is 154% of the January 1 *
* average on 14 principal reservoirs. *
* * * * *

Fall storms produced above average precipitation over most of the State. Total precipitation for the three month period, October-December, ranged generally from about 150% of average on the Bear river to better than 200% on the Upper Sevier and Virgin Rivers in southern Utah.

Cold temperatures in the last half of October caused much of this precipitation to accumulate as snow and storms have continued to build a snow pack which now ranges from about 150% of average on Bear river to as high as 250-300% of the January 1, average on the Upper Sevier and Virgin rivers. Many snow courses measured had the highest January 1 water content on record.

Seven radio telemetered data sites are now collecting precipitation, temperature and snow water content at key locations from above Kolob reservoir between Cedar City and St. George to as far north as Horse Ridge above Lost Creek reservoir near Morgan. The information from these data sites is expected to be a real help in adjusting water supply forecasts as the spring progresses. Graphs showing daily radio readings from three of these sites in northern Utah are enclosed in the back of this bulletin.

Additional information is received monthly from the cooperative radio installations operated by Utah Water Research Laboratory at Logan.

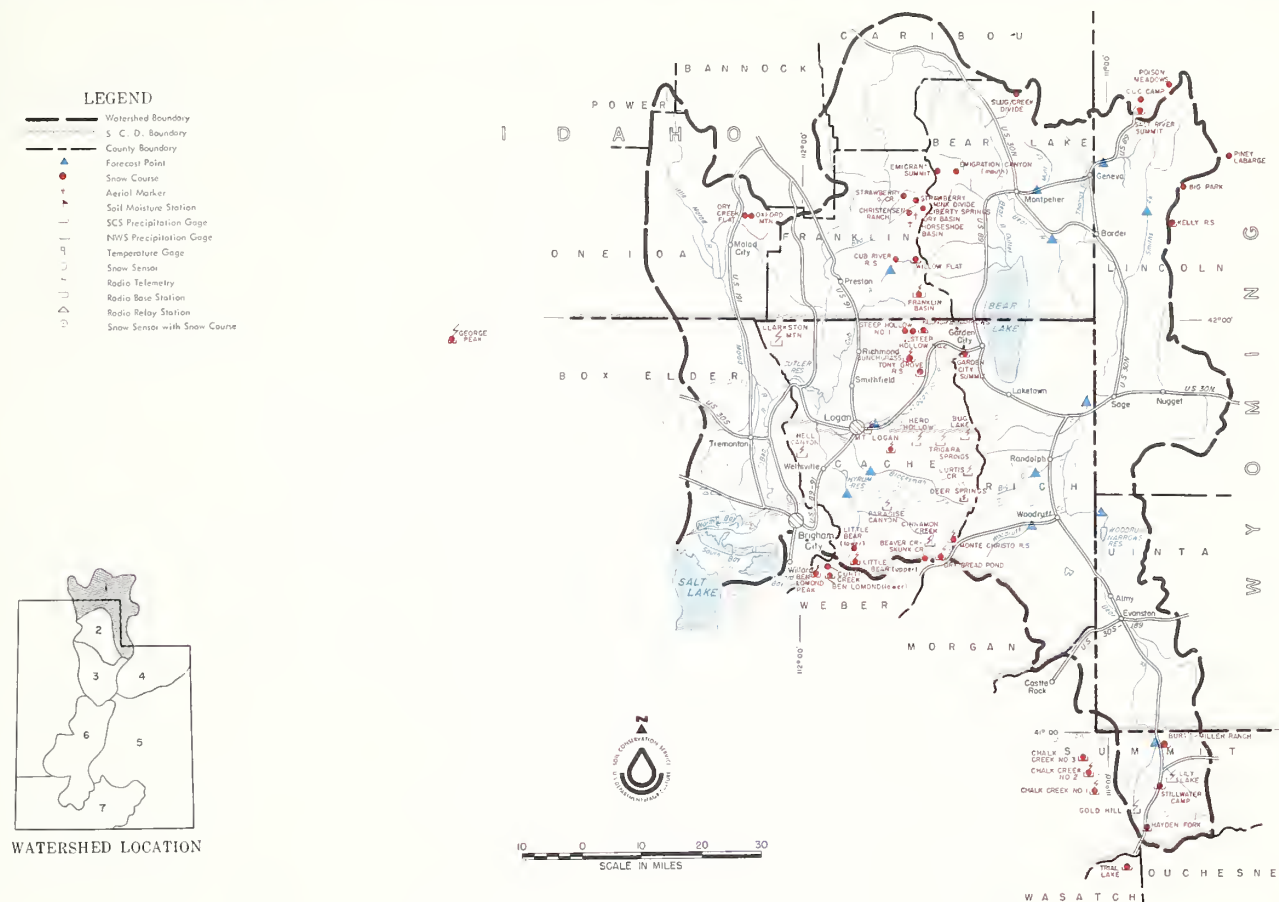
Reservoir storage in 14 of Utah's principal reservoirs not included in the Colorado River Storage Project is 154% of the January 1, average for the 1953-67 period. Colorado River storage increased 495,600 acre feet during December and is now 55% of capacity.

Streamflow during the October-December period was above average at key stations in northern and southeastern Utah, but a little below average on the Beaver river.

WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK FOR BEAR RIVER BASIN IS VERY GOOD FOR THE 1972 SEASON.

SNOW PACK WATER CONTENT is 150% of the January 1 average in the upper basin above Harer and 146% of average in the lower part of the basin.

FALL PRECIPITATION has been 140 to 200% of average and watershed soils are well primed.

RESERVOIR STORAGE is 133% of the January 1 average for the 1953-67 period in Bear Lake. Woodruff Narrows is full and Hyrum reservoir now holds 10,700 acre ft.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Bear River</u>	Bear Lake	1421.0	1122.4	1109.1	845.0
	Woodruff Narrows	26.5	26.5	24.5	- -
<u>Little Bear</u>	Hyrum	15.3	10.7	10.7	9.2
	Porcupine	11.3	3.0	2.2	- -

BEAR RIVER BASIN

SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
UPPER BEAR RIVER (Above Harer, Idaho)						
Burts-Miller Ranch	7900	12/22	14	3.5	- -	- -
CCC Camp x	7500	12/29	27	6.4	7.9	4.8
Hayden Fork	9400	12/22	23	5.4	- -	- -
Salt River Summit	7900	12/30	37	7.9	10.6	6.2
Smith & Morehouse x	7600	12/28	30	8.4	8.4	4.5b
Stillwater Camp	8550	12/22	23	5.3	- -	- -
Trial Lake x	9800	12/30	68	16.7	19.2	10.8b
LOWER BEAR RIVER (Below Harer, Idaho)						
Beaver Crk-Skunk Crk	7150	12/29	40	9.4	- -	- -
Cub River R. S.	5400	12/30	25	5.4	- -	- -
Dry Bread Pond x	8230	12/29	48	11.3	- -	- -
Emigrant Summit	7350	12/29	58	14.9	14.5	8.9*
Garden City Summit	7600	12/27	41	9.8	12.2	7.3
Klondike Narrows	7400	12/27	42	9.9	13.0	8.0
Steep Hollow #1	8500	12/27	68	16.6	23.9	- -
Steep Hollow #2	7700	12/27	53	12.7	16.4	- -
Tony Grove R.S.	6250	12/27	25	6.6	6.9	4.0
Willow Flat	6100	12/30	35	9.0	8.2	- -

BEAR RIVER BASIN

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>BEAR RIVER</u>							
Burt's-Miller Ranch	7900	12/22	- -	- -	5.95	- -	- -
Chalk Creek #1 x	9100	1/3	since	10/19	14.26*	- -	- -
Chalk Creek #2 X	8000	1/3	since	10/19	10.55*	- -	- -
Chalk Creek #3 x	7500	12/27	- -	- -	9.57	- -	- -
Dry Bread Pond	8230	12/29	- -	- -	12.89	- -	- -
Garden City Summit	7600	12/27	- -	3.71b	11.39	7.81*	146
Hayden Fork	9300	12/22	- -	- -	13.05	- -	- -
Klondike Narrows	7400	1/3	since	10/26	10.85*	- -	- -
Little Bear (upper)	6850	1/3	- -	- -	18.07*	- -	- -
Monte Cristo	8960	1/3	since	10/22	15.49*	- -	- -
Sagebrush Flat x	6300	12/29	- -	- -	11.19	- -	- -
Salt River Summit	7900	12/30	4.10	2.99b	9.25	6.48*	143
Stillwater Camp	8550	12/22	- -	- -	7.82	- -	- -
Tony Grove R.S. (SCS)	6250	1/3	- -	- -	16.87*	- -	- -
Trial Lake x	9800	12/30	- -	3.94*	18.13	8.95*	203
Willow Flat	6100	12/30	5.90	3.11*	15.09	9.69*	156
Franklin Basin	8000	1/3	- -	- -	16.92*	- -	- -
* - Radio Readout cooperatively by Utah Water Research Laboratory							

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Federal Bldg. - Room 4012
Salt Lake City, Utah 84111

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE



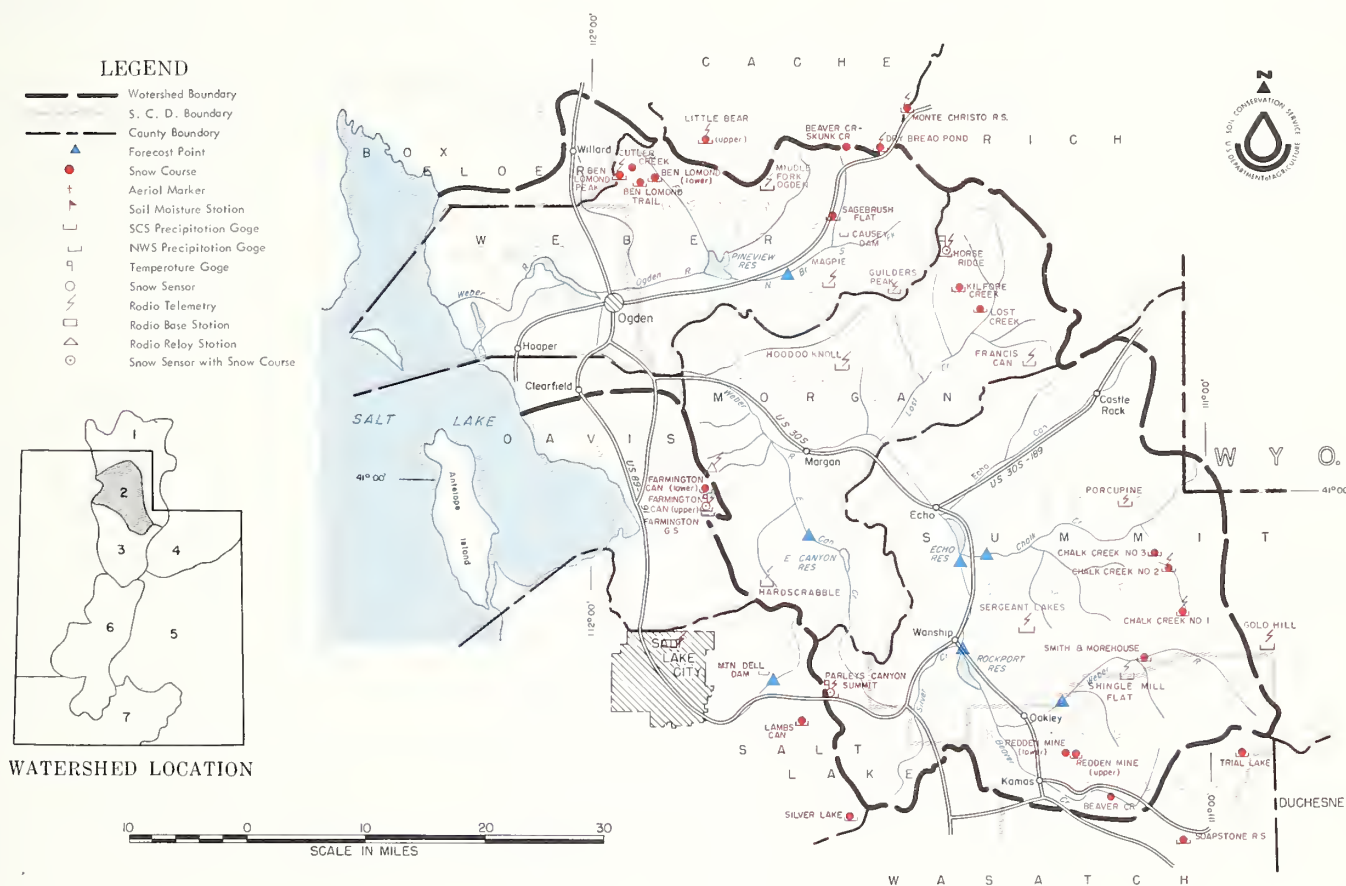
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



THE WATER SUPPLY OUTLOOK FOR THE WEBER AND OGDEN RIVERS IS EXCELLENT FOR THE 1972 SEASON.

WATER CONTENT OF THE JANUARY 1 SNOW PACK is 270% of average and 127% of last year at this time on the Ogden River.

WEBER RIVER SNOW COVER is 207% of average and about the same as last year on January 1.

TOTAL PRECIPITATION has been about twice the average for the three month period October thru December and as a result soil moisture is very good.

RESERVOIR STORAGE is generally very good. Pineview is 257% of average, Echo is 195% and Rockport 145% of the 15-year average for January 1.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Ogden</u>	Causey	7.1	3.1	6.5	- -
	Pineview	110.1	64.0	0.5	24.9
<u>Weber</u>	East Canyon	48.1	38.3	38.6	- -
	Echo	73.9	53.8	56.2	27.6
	Lost Creek	20.0	14.7	12.9	---
	Rockport	60.9	37.3	26.4	25.7b
	Willard Bay	193.3	167.7	175.4	- -

WEBER-OGDEN WATERSHEDS

SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>OGDEN RIVER</u>						
Beaver Crk-Skunk Crk.	7150	12/29	40	9.4	- -	- -
Ben Lomond (lower)	6000	12/28	38	12.1	8.9	4.4b
Ben Lomond Peak	8000	12/28	84	25.5	21.1	11.0b
Ben Lomond Trail	6000	12/28	42	13.9	10.2	3.4b
Cutler Creek	6780	12/28	67	20.4	16.6	7.7b
Dry Bread Pond	8230	12/29	48	11.3	- -	- -
Sagebrush Flat	6300	12/29	24	5.5	- -	- -
Monte Cristo R. S.	8960	1/3	-	18.5*	- -	- -
<u>WEBER RIVER</u>						
Beaver Creek R.S.	7500	12/30	25	6.6	5.8	3.3b
Chalk Creek #1	9100	12/27	51	13.1	- -	- -
Chalk Creek #2	7900	12/27	35	9.0	- -	- -
Chalk Creek #3	7500	12/27	22	5.5	- -	- -
Farmington Canyon (lower)	6950	12/28	53	17.6	16.1	7.0
Farmington Canyon (upper)	8000	12/28	80	25.8	23.3	9.2b
Lamb's Canyon #1 x	6600	12/29	39	11.1	11.3	4.7
Lamb's Canyon #2 x	7400	12/29	36	10.8	11.8	- -
Parley's Canyon Smt.	7500	12/29	46	12.6	13.3	6.1b
Reddon Mine (lower)	8500	12/29	51	11.8	- -	- -
Reddon Mine (upper)	9000	12/29	53	12.8	- -	- -
Silver Lake (Brighton)x	8725	12/30	59	15.3	18.2	9.6
Smith & Morehouse	7600	12/28	30	8.4	8.4	4.5b
Trial Lake x	9800	12/30	68	16.7	19.2	10.8b
Park City Summit	9300	1/5	87	17.2**	- -	- -
Horse Ridge	8260	1/5	--	20.7*	15.1	- -
* - Radio reading on snow pillow						
** - Snow pillow reading cooperatively by Park City Resort						

WEBER-OGDEN WATERSHEDS

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>OGDEN RIVER</u>							
Ben Lomond Peak	8000	1/3	since	10/18	28.57**	- -	- -
Ben Lomond (lower)	5850	- -	- -	5.10b	21.18	10.36*	204
Ben Lomond Trail	6000	12/28	- -	6.09b	21.12	10.98*	192
Causey Dam	5500	12/29	- -	3.27	12.42	- -	- -
Dry Bread Pond	8230	12/29	- -	- -	12.89	- -	- -
Francis Canyon	7400	1/3	since	10/20	10.38**	- -	- -
Guilder's Peak	8050	1/3	since	10/15	14.60**	- -	- -
Magpie	7700	1/3	- -	- -	17.45**	- -	- -
Middle Fork Ogden	8420	1/3	since	10/11	19.66**	- -	- -
Monte Cristo	8960	1/3	since	10/22	15.49**	- -	- -
Sagebrush Flat	6300	12/29	- -	- -	11.19	- -	- -
<u>WEBER RIVER</u>							
Chalk Creek #1	9100	1/3	since	10/19	14.26**	- -	- -
Chalk Creek #2	8000	1/3	since	10/19	10.55**	- -	- -
Chalk Creek #3	7500	12/27	- -	- -	9.57	- -	- -
Farmington Guard Sta.	7500	12/28	11.34	5.60	25.62	11.44	224
Farmington Rice	7000	12/28	9.88	5.19	24.12	10.16	237
Hardscrabble	6500	1/3	since	10/15	17.98**	- -	- -
Lamb's #2 x	7400	12/29	- -	- -	14.10	- -	- -
Mt. Dell Dam x	5500	12/30	3.08	2.02	8.90	5.48	162
Parley's Canyon Smt.	7500	12/29	5.50R	3.64	12.50R	8.00	156
Porcupine	8100	1/3	since	10/20	10.39**	- -	- -
Reddon Mine (upper)	9000	12/29	- -	- -	16.19	- -	- -
Silver Lake (Brighton)	8725	12/30	7.78	5.66	18.92	10.05	188
Smith & Morehouse	7600	12/28	- -	3.04b	12.48	6.75*	185
Trial Lake x	9800	12/30	- -	3.94*	18.13	8.95*	203
Sargeant Lakes	8400	1/3	since	10/13	13.57	- -	- -

* - Radio Readout cooperatively by Utah Water Research Laboratory

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84111

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE



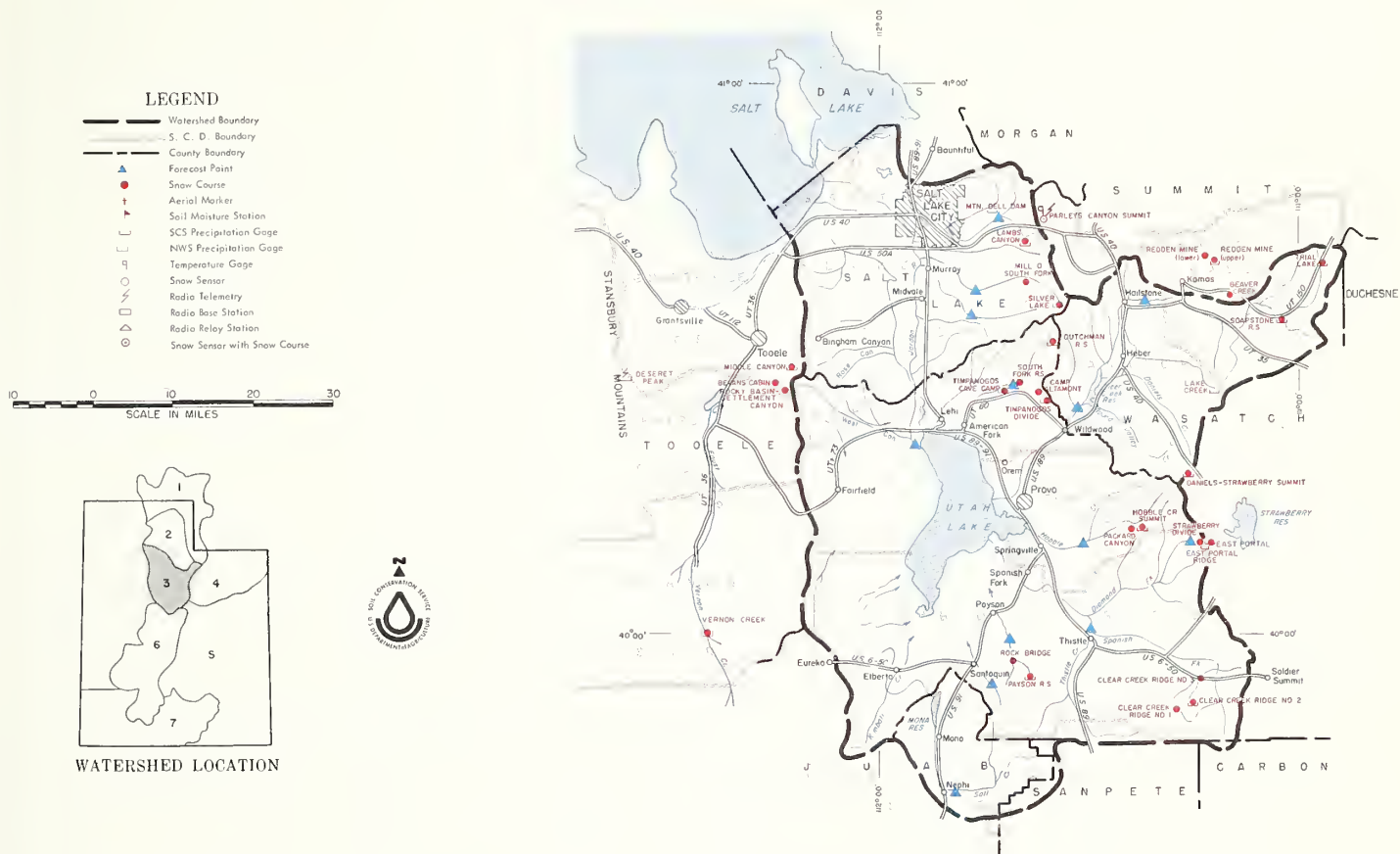
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



THE 1972 WATER SUPPLY OUTLOOK FOR UTAH LAKE AND JORDAN RIVER DRAINAGES IS VERY GOOD.

PRECIPITATION for the three fall months, October-December, ranges from 147% at East Portal to 203% at Trial Lake.

WATERSHED SOIL MOISTURE is very good and is expected to aid spring runoff.

SNOW WATER CONTENT near twice the January 1 average for the 1953-67 period with some individual snow courses ranging from 250 to 300% of the January 1 average.

RESERVOIR STORAGE is very good in both Utah Lake and Strawberry reservoirs. They are 168% and 167% of their January 1 average for the 1953-67 period. Utah Lake is 1/10 foot higher than last January 1st and is now 1.15 feet below compromise. The Great Salt Lake is 2.15 feet higher than last year at this time at 4,197.90 feet above mean sea level.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

[illegible]

UTAH LAKE, JORDAN RIVER & TOOELE WATERSHEDS

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UTAH LAKE</u>						
Beaver Creek R.S.	7500	12/30	25	6.6	5.8	3.3b
Camp Altamont	7300	12/30	37	11.2	9.2	5.6
Clear Creek Ridge #1	9200	12/28	47	12.0	- -	- -
Clear Creek Ridge #2	8000	12/28	38	8.6	- -	- -
Clear Creek Ridge #3	6600	12/28	15	4.2	- -	- -
Daniels Strawberry Smt.	8000	12/28	44	10.4	10.4	5.0
Dutchman R.S.	7560	1/4	43	14.4	- -	- -
East Portal	7560	12/27	28	8.0	7.0	3.3b
Hobble Creek Summit	7420	12/29	34	9.2	- -	- -
Packard Canyon	6400	12/29	22	6.1	- -	- -
Payson R. S.	8050	12/27	36	10.5	12.5	5.7b
Rock Bridge	6750	12/27	24	8.4	8.0	3.7b
Soapstone	7800	12/30	35	8.3	8.7	4.7b
South Fork R.S.	6100	12/30	9	1.6	3.5	2.4
Strawberry Divide	8000	12/27	46	12.6	12.9	6.2b
Timpanogos Cave Camp	5500	12/30	2	0.2	1.6	0.6b
Timpanogos Divide	8140	12/30	64	19.2	15.3	9.5
Trial Lake	9800	12/30	68	16.7	19.2	10.8b
<u>JORDAN RIVER & TOOELE VALLEY</u>						
Lamb's Canyon #1	6600	12/29	39	11.1	11.3	4.7
Lamb's Canyon #2	7400	12/29	39	10.8	11.8	- -
Middle Canyon - Tooele	7000	12/22	28	8.1	11.0	4.8b
Mill D South Fork	7400	12/30	48	13.4	13.0	6.5b
Parley's Canyon Summit	7500	12/29	46	12.6	13.3	6.1b
Silver Lake	8725	12/30	59	15.3	18.2	9.6
Vernon Creek	7500	12/22	18	4.3	- -	- -

UTAH LAKE, JORDAN RIVER & TOOELE WATERSHEDS

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
<u>UTAH LAKE</u>							
Clear Creek Ridge #2	8000	12/28	- -	- -	10.73	- -	- -
Daniels-Strawberry Smt.	8000	12/28	- -	3.44	13.02	7.51b	173
Dutchman R. S.	7500	1/4	--	- -	16.45	- -	- -
East Portal Ridge	7800	12/27	5.02	3.01	10.87	7.40*	147
Hobble Creek Smt.	7300	12/29	- -	- -	13.02	- -	- -
Payson R. S.	8050	12/27	- -	2.98b	11.38	7.03b	162
Soapstone R. S.	7800	12/30	- -	3.14b	10.69	6.28*	170
Timpanogos Divide	8200	12/30	- -	5.11	20.25	10.84	187
Trial Lake	9800	12/30	- -	3.94*	18.13	8.95*	203
<u>JORDAN RIVER & TOOELE VALLEY</u>							
Lamb's Cyn. #2	7400	12/29	- -	- -	14.10	- -	- -
Middle Canyon	7000	12/22	- -	2.35b	- -	7.20*	- -
Mt. Dell Dam	5500	12/30	3.08	2.02	8.90	5.48	162
Parley's Canyon Smt.	7500	12/29	5.50R	3.64b	12.50R	8.00*	156
Silver Lake (Brighton)	8725	12/30	7.78	5.66	18.92	10.05	188
Vernon Creek	7500	12/22	- -	- -	9.55	- -	- -
R - Radio Reading							

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84111

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE



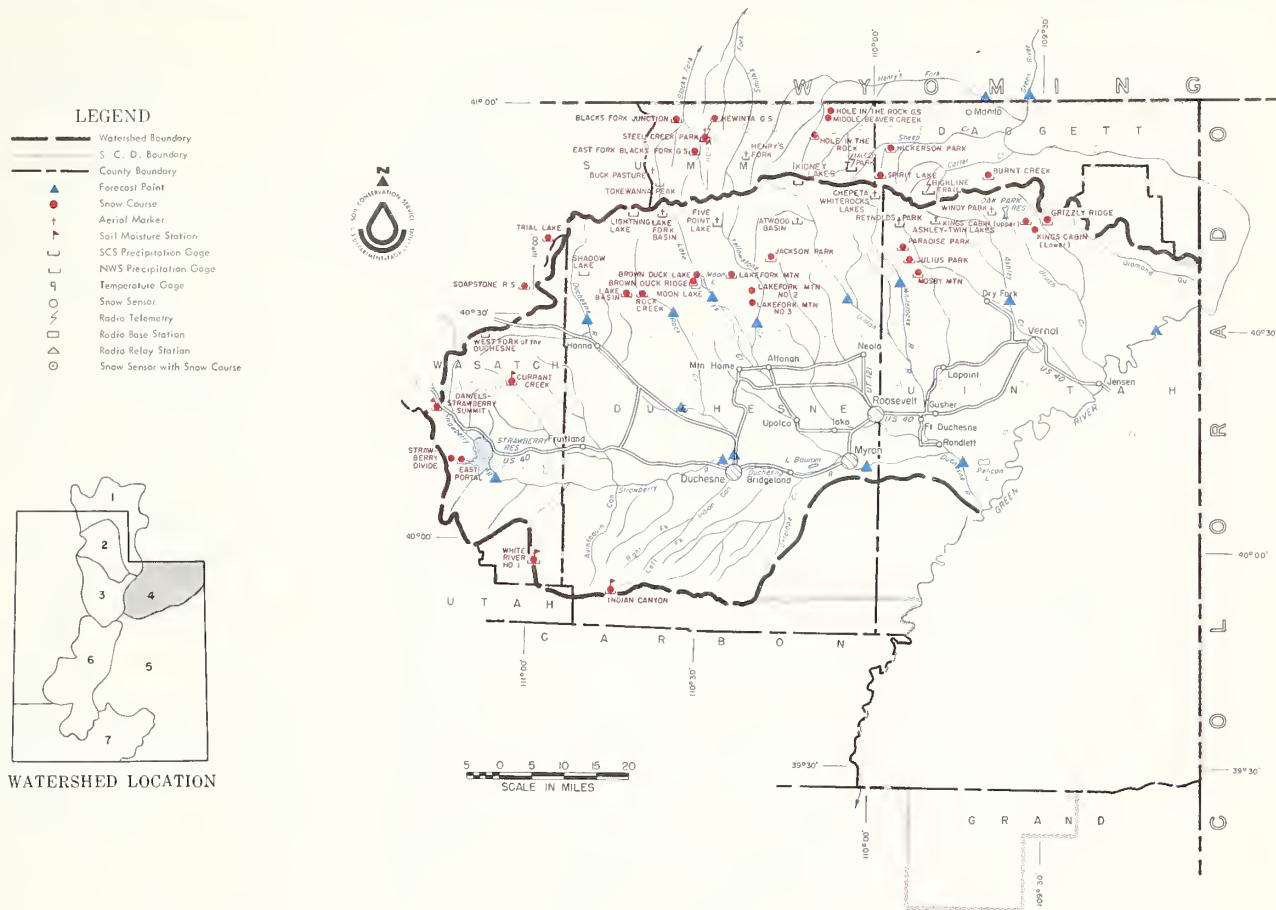
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK FOR UINTAH AND DAGGETT SCD's IS VERY GOOD FOR THE 1972 SEASON.

MOUNTAIN PRECIPITATION for the fall period, October-December, ranged from 130 to 200% of average for the 1953-67 period.

WATERSHED SOILS are well primed by fall moisture and will aid spring stream-flow production.

SNOW COVER is well above average for January 1 with the Indian Canyon snow water content the highest measured since the record began in 1936. Uintah basin snow water content averages 189% of the January 1 fifteen year average and 8% above last year at this time.

RESERVOIR STORAGE in Steinaker is 181% of the January 1, average and 27% above last year at this time. Moon Lake is 105% of average and 150% of last January 1. Starvation is now 82% of useable capacity and Flaming Gorge is 154% of last year on January 1.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Ashley Creek</u>	Steinaker	33.3	26.1	20.4	14.4b
<u>Green River</u>	Flaming Gorge	3749.0	2705.0	1761.0	- -
<u>Lake Fork</u>	Moon Lake	35.8	13.2	8.8	12.6
<u>Strawberry</u>	Starvation	165.3	135.1	105.2	- -

UTAH BASIN & DAGGETT SCD's

SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
UINTAH BASIN SCD						
Currant Creek	7800	12/29	46	8.7	- -	- -
Daniels-Strawberry Smt. x	8000	12/28	44	10.4	10.4	5.0
East Portal x	7560	12/27	28	8.0	7.0	3.3b
Grizzly Ridge	8500	12/21	23	5.0	7.1	- -
Indian Canyon	9100	12/28	48	12.4	5.9	4.6
Julius Park	9800	12/23	40	9.8	7.6	5.3b
King's Cabin (lower)	8600	12/21	22	5.3	- -	- -
King's Cabin (upper)	8730	12/21	27	6.8	- -	- -
Lake Basin	10800	12/20	26	7.5	- -	- -
Lakefork Mountain	10200	12/28	45	9.1	- -	- -
Lakefork Mountain #2	8900	12/28	41	8.6	- -	- -
Lakefork Mountain #3	8100	12/28	33	6.1	- -	- -
Mosby Mountain	9500	12/23	28	6.0	6.6	4.2b
Paradise Park	10100	12/23	36	9.4	8.0	5.3b
Rock Creek	7900	12/20	17	3.6	- -	- -
Soapstone R.S. x	7800	12/30	35	8.3	8.7	4.7b
Strawberry Divide x	8000	12/27	46	12.6	12.9	6.2b
Trial Lake	9800	12/30	68	16.7	19.2	10.8b
White River #1 x	8550	12/27	37	8.3	- -	- -
Brown Duck Ridge	10800	12/21	37	9.2	- -	- -
DAGGETT SCD						
Black's Fork Jct	8925	12/21	25	5.5	- -	- -
Burnt Creek	7900	12/22	17	3.4	3.6	- -
East Fk. Black's Fk. G.S.	9300	12/21	23	5.5	- -	- -
Hewinta Guard Station	9500	12/21	24	5.3	- -	- -
Hickerson Park	9100	12/21	18	4.6	- -	- -
Spirit Lake	10300	12/21	32	8.9	- -	- -
Steel Creek Park	9900	12/21	35	8.9	- -	- -

UINTAH BASIN & DAGGETT SCD

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>UINTAH BASIN SCD</u>							
Brown Duck Ridge	10800	12/21	- -	- -	8.48	- -	- -
Currant Creek	7800	12/29	- -	- -	11.03	- -	- -
Daniels-Strawberry Smt.x	8000	12/28	- -	3.44b	13.02	7.51b	173
East Portal Ridge x	7800	12/27	5.02	3.01	10.87	7.40*	147
Grizzly Ridge	8500	12/21	- -	- -	9.90	- -	- -
Indian Canyon	9100	12/28	- -	2.39b	13.23	6.82b	194
Julius Park	9800	12/23	3.19	1.87*	11.02	5.75*	192
King's Cabin (upper)	8730	12/21	- -	- -	8.97	- -	- -
Lake Basin	10800	12/20	- -	- -	7.60	- -	- -
Lakefork Mountain	10500	12/28	- -	- -	11.28	- -	- -
Moon Lake	8150	12/30	3.50	1.22	8.20	6.27	131
Mosby Mountain	9500	12/23	1.85	- -	9.10	- -	- -
Paradise Park	10100	12/23	2.40	2.32*	11.85	6.06*	196
Rock Creek	7900	12/20	- -	- -	6.41	- -	- -
Soapstone R. S. x	7800	12/30	- -	3.14b	10.69	6.28*	170
Trial Lake x	9800	12/30	- -	3.94*	18.13	8.95*	203
White River #1 x	8600	12/27	- -	- -	8.95	- -	- -
<u>DAGGETT SCD</u>							
Black's Fork Jct.	8925	12/21	- -	- -	7.42	- -	- -
Burnt Creek	7900	12/22	- -	- -	8.44	- -	- -
E.Fk. Black's Fk.G.S.	9300	12/21	- -	- -	7.33	- -	- -
Hewinta Guard Station	9500	12/21	- -	- -	7.88	- -	- -
Hickerson Park	9100	12/21	- -	- -	6.40	- -	- -
Spirit Lake	10300	12/21	- -	- -	10.89	- -	- -
Steel Creek Park	9900	1/3	- -	- -	10.21*	- -	- -
* - Radio Readout cooperatively by Utah Water Research Laboratory							

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84111

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE



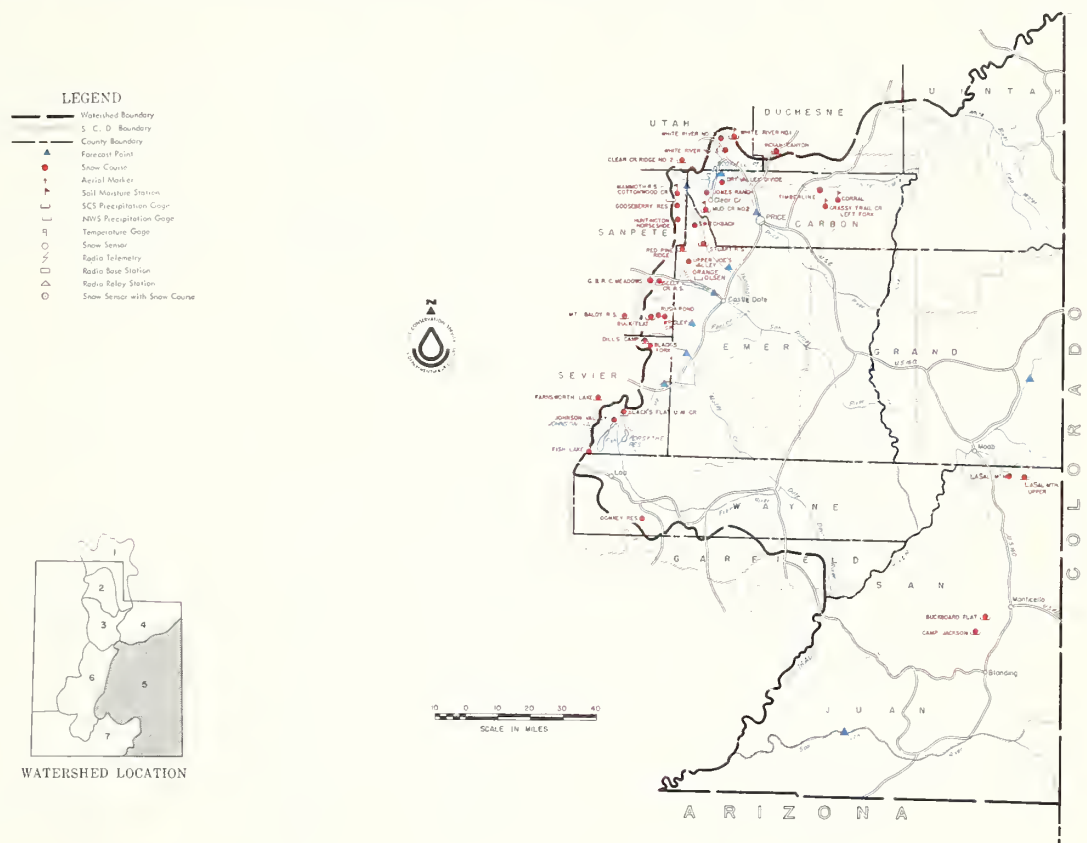
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



THE WATER SUPPLY OUTLOOK FOR SOUTHEASTERN UTAH IS VERY GOOD.

MOUNTAIN PRECIPITATION for the three fall months, October-December, ranged from near average on the Upper Price river to almost double average at Indian Canyon.

WATERSHED SOILS are well primed over most of the area.

SNOW PACK WATER CONTENT is over twice the January 1 average for the 15-year period 1953-67. Mammoth Ranger Station snow measurement had the highest January 1 water content in 12 years of record.

RESERVOIR STORAGE at Scofield and Joe's Valley reservoirs is about the same as last year at this time, and Scofield has about twice the average January 1 storage. Navajo reservoir on the San Juan river is 94% of last year's January 1 storage.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Price River</u>	Scofield	65.8	38.6	39.8	19.4
<u>San Rafael</u>	Joe's Valley	54.6	37.3	37.8	- -
<u>San Juan</u>	Navajo	1696.4	991.3	1049.3	- -

CARBON, EMERY, WAYNE, GRAND & SAN JUAN

SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>PRICE RIVER</u>						
Dry Valley Divide	7800	12/29	30	7.0	7.4	3.3b
Gooseberry Reservoir	8700	12/28	37	12.2	11.9	6.0b
Indian Canyon x	9100	12/28	48	12.4	5.9	4.6
Jones Ranch	7600	12/29	15	4.4	5.6	1.8
Mammoth R.S.-Ctnwd. Crk.	8800	12/28	42	13.6	12.6	6.1b
Mud Creek #2	8300	12/29	35	9.9	8.9	4.5*
White River #1	8550	12/27	37	8.3	- -	- -
White River #2	7600	12/27	20	5.0	- -	- -
White River #3	7400	12/27	15	4.4	- -	- -
<u>SAN RAFAEL RIVER</u>						
Buck Flat	9400	12/27	39	10.6	- -	- -
G.B.R.C. Meadows	10000	12/30	54	15.7	16.5	8.4b
Gooseberry Reservoir x	8700	12/28	37	12.2	11.9	6.0b
Mammoth R. S.-Ctnwd. Crk x	8800	12/28	42	13.6	12.6	6.1b
Orange Olsen	7300	12/29	17	3.7	- -	- -
Red Pine Ridge	9400	12/29	45	10.7	- -	- -
Rush Pond	9800	12/27	38	8.3	- -	- -
Stuart R. S.	7950	12/30	25	5.3	- -	- -
Switchback	8600	12/30	42	10.0	- -	- -
Upper Joe's Valley	8900	12/29	33	6.7	- -	- -
Wrigley Creek	9000	12/27	34	7.1	- -	- -
<u>MUDDY & FREMONT RIVERS</u>						
Black's Flat-U.M. Creek	9250	12/28	35	7.7	- -	- -
Black.s Fork	9200	12/28	36	9.4	- -	- -
Dill's Camp	9200	12/28	38	8.6	- -	- -
Farnsworth Lake x	9900	12/29	41	12.7	12.2	6.0b
Fish Lake	8700					
Johnson Valley	8850	12/29	21	5.3	- -	- -
Mt. Baldy R.S. x	9500	12/27	49	14.4	15.5	7.2b
<u>SOUTHEASTERN UTAH DRAINAGES</u>						
Buckboard Flat	9000	12/21	35	10.0	- -	- -
Camp Jackson	8600	12/21	32	8.6	- -	- -
LaSal Mountain	8800	12/20	27	6.2	- -	- -
LaSal Mountain (upper)	9400	12/20	41	10.8	- -	- -

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>PRICE RIVER</u>							
Clear Creek Ridge #2	8000	12/28	- -	- -	10.73	- -	- -
Gooseberry Reservoir	8700	12/28	- -	3.46b	12.45	6.98*	178
Indian Canyon	9100	12/28	- -	2.39b	13.23	6.82b	194
Mammoth R. S. #2	8600	12/28	- -	3.47b	11.05	7.61*	145
Mud Creek	8300	12/29	- -	2.62*	6.40	6.27*	102
White River #1	8600	12/27	- -	- -	8.95	- -	- -
<u>SAN RAFAEL RIVER</u>							
Buck Flat	9400	12/27	- -	- -	11.25	- -	- -
G.B.R.C. Meadows x	10000	12/30	6.00	3.51b	14.90	8.53	175
Gooseberry Reservoir x	8700	12/28	- -	3.46b	12.45	6.98*	178
Orange Olsen	7300	12/29	- -	- -	6.75	- -	- -
Red Pine Ridge	9400	12/29	- -	- -	12.75	- -	- -
Stuart R. S.	7950	12/30	- -	- -	8.90	- -	- -
<u>FREMONT & MUDDY RIVERS</u>							
Dill's Camp	9200	12/28	- -	- -	9.70	- -	- -
Black's Flat-U.M. Crk.	9250	12/28	- -	- -	8.49	- -	- -
Farnsworth Lake x	9900	12/29	4.54	2.86b	12.80	6.91b	185
Fish Lake	8700	12/29	- -	- -	7.04	- -	- -
Widtsoe-Escalante #3	9500	12/29	- -	1.51b	11.29	6.14	184
Mt. Baldy R.S. x	9500	12/27	- -	2.26*	12.15	7.17*	169
<u>SOUTHEASTERN UTAH DRAINAGES</u>							
Buckboard Flat	9000	12/21	- -	- -	15.80	- -	- -
Camp Jackson	8600	12/21	- -	- -	12.48	- -	- -
LaSal Mountain (upper)	9600	12/20	- -	- -	12.05	- -	- -

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84111

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE



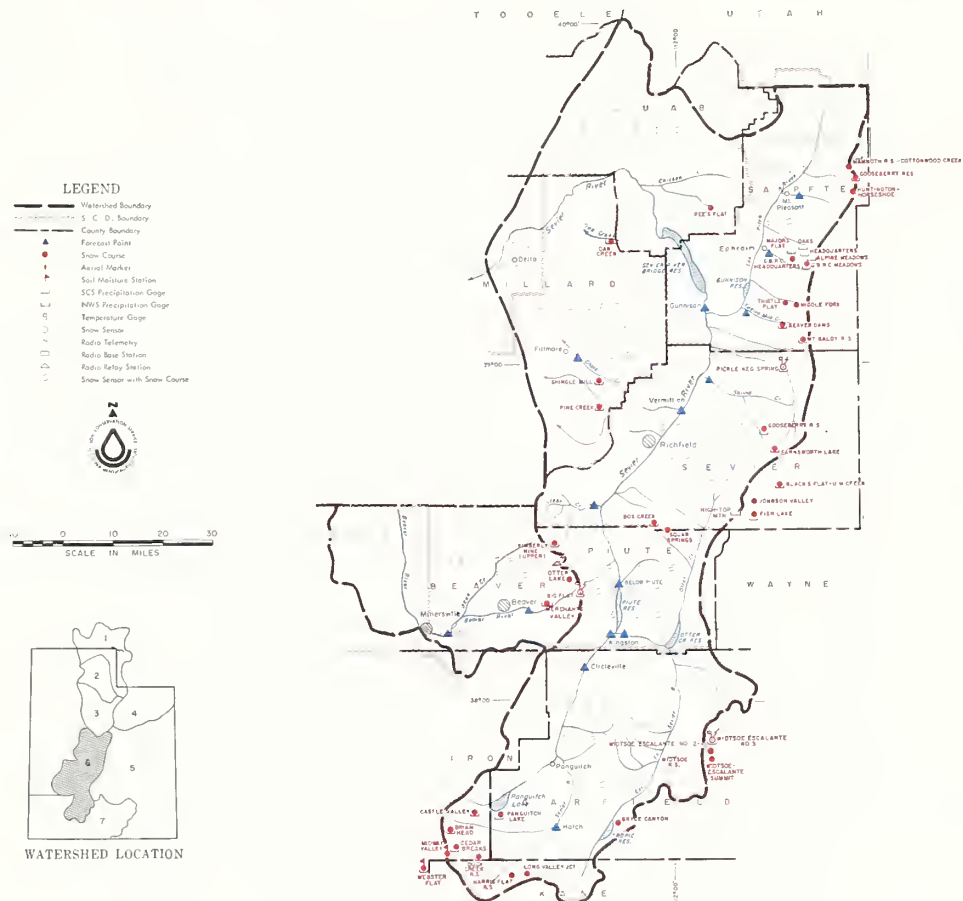
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK FOR THE SEVIER BASIN IS VERY GOOD AND GOOD FOR BEAVER RIVER.

MOUNTAIN PRECIPITATION for the fall months, October-December, has been 150 to 200% of the 15-year average 1953-67.

WATERSHED SOIL MOISTURE is very good and is expected to aid spring snow melt runoff.

SNOW COVER over the upper reaches of the basin is still better than double the average January 1 water contents. Several snow courses show the highest water content readings since the January 1st measurements began.

RESERVOIR STORAGE is very good on the Sevier. Storage in Otter Creek, Piute and Sevier Bridge is 227% of average for January 1. Minersville reservoir on the Beaver is 164% of average but 1600 acre feet less than last January 1st. Upper Sevier reservoirs received good inflow from a low elevation rain and snow melt about Christmas time.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Sevier River</u>	Gunnison	18.2	10.8	15.1	- -
	Otter Creek	52.5	25.1	36.6	15.5
	Piute	71.8	44.5	32.6	21.8
	Sevier Bridge	236.0	140.6	176.9	55.4
<u>Beaver River</u>	Minersville(Rky Fd)	23.3	12.0	13.6	7.3
basin 6 - page 2					

SEVIER RIVER BASIN INCLUDING BEAVER RIVER

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>UPPER SEVIER RIVER (South of Richfield, Utah)</u>						
Big Flat x	10290	12/27	43	10.5	- -	- -
Box Creek	9800	1/4	38	8.4	- -	- -
Bryce Canyon	8000	12/30	16	2.8	3.2	1.4b
Castle Valley	9700	1/3	50	14.4	- -	- -
Duck Creek R.S.	8700	12/27	41	11.0	9.0	3.9b
Fish Lake	8700	1/5	23	5.5	- -	- -
Harris Flat R.S.	7700	12/27	10	3.3	7.1	2.0b
Kimberly Mine	9300	12/27	35	9.7	9.0	3.8b
Long Valley Jct. x	7500	12/27	1	0.1	5.4	0.6b
Midway Valley	9800	12/29	73	20.0	12.6	7.5b
Panguitch Lake	8200	1/3	15	3.6	- -	- -
Squaw Springs	9300	1/4	25	6.8	- -	- -
Widtsoe-Escalante Smt. x	9500	12/29	31	5.5	4.1	2.6
Widtsoe-Escalante #2 x	9500	12/29	39	8.0	4.2	3.7
Widtsoe-Escalante #3 x	9500	12/29	49	11.3	5.4	4.5b
<u>LOWER SEVIER RIVER (Including San Pitch)</u>						
Beaver Dams	8000	12/27	19	6.0	6.3	3.5b
Farnsworth Lake	9900	12/29	41	12.7	12.2	6.0b
G.B.R.C. Headquarters	8700	12/30	34	9.3	10.8	5.5b
G.B.R.C. Meadows	10000	12/30	54	15.7	16.5	8.4b
Gooseberry R.S.	8400	12/29	25	7.2	8.4	3.7b
Gooseberry Reservoir x	8700	12/28	37	12.2	11.9	6.0b
Mammoth R.S.-Ctnwd. Crk.	8800	12/28	42	13.6	12.6	6.1b
Mt. Baldy R.S.	9500	12/27	49	14.4	15.5	7.2b
Oak Creek	7760	not Measured				
Pine Creek	8700	1/3	45	9.3	- -	- -
Shingle Mill	6200	1/3	27	6.3	4.9	- -
<u>BEAVER RIVER</u>						
Big Flat	10290	12/27	43	10.5	11.5	- -
Merchant Valley	8200	12/27	19	5.3	6.0	- -
Otter Lake	9300	12/27	38	9.1	9.9	- -
Farview	8825	12/30	31	5.7	- -	- -
Rainbow Point	9100	12/30	27	6.5	- -	- -

SEVIER RIVER BASIN INC LUDING BEAVER RIVER

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>SEVIER RIVER</u>							
Beaver Dams	8000	12/27	- -	- -	9.65	- -	- -
Big Flat x	10290	12/27	- -	- -	9.73	- -	- -
Box Creek	9800	1/4	- -	- -	10.55	- -	- -
Castle Valley	9700	1/3	- -	- -	10.96	- -	- -
Duck Creek R. S.	8560	12/27	- -	2.53*	14.86	7.65*	194
Farnsworth Lake	9900	12/29	4.54	2.86b	12.80	6.91b	185
Fish Lake	8700	12/29	- -	- -	7.04	- -	- -
G.B.R.C. Headquarters	8700	12/30	4.64	2.83	11.77	7.28	162
G.B.R.C. Meadows	10000	12/30	6.00	3.51b	14.90	8.53b	175
G.B.R.C. Oaks	7655	12/30	2.93	1.94	8.05	4.97	162
Gooseberry R. S.	7800	12/29	3.39	1.91b	9.31	4.78*	195
Gooseberry Reservoir x	8700	12/28	- -	3.46b	12.45	6.98*	178
Kimberly Mine	8900	12/27	- -	2.96*	9.68	6.88*	141
Mammoth R. S. #2 x	8600	12/28	- -	3.74b	11.05	7.61*	145
Mt. Baldy	9500	12/27	- -	2.26*	12.15	7.17*	169
Panguitch Lake	8200	1/3	- -	- -	8.82	- -	- -
Pine Creek	8700	1/3	- -	- -	15.77	- -	- -
Shingle Mill	6200	1/3	- -	1.74*	11.20	5.86*	191
Webster Flat x	9200	12/29	- -	3.65b	16.25	7.64b	213
Widtsoe-Escalante #3	9500	12/29	- -	1.51b	11.29	6.14b	184
Widtsoe R. S.	7600	12/29	- -	0.61	5.07	2.49	204
Midway Valley	9800	12/29	- -	- -	15.46	- -	- -
Beaver Canyon P.H.	7275	12/31	2.83	1.34	7.13	3.55	201
Big Flat	10290	12/27	- -	- -	9.73	- -	---
Merchant's Valley	8650	12/27	- -	- -	8.37	- -	---

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84111

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

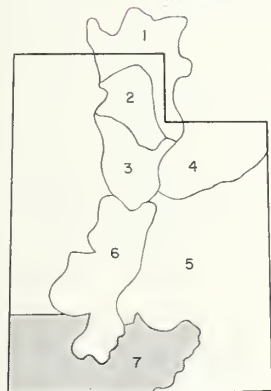
WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

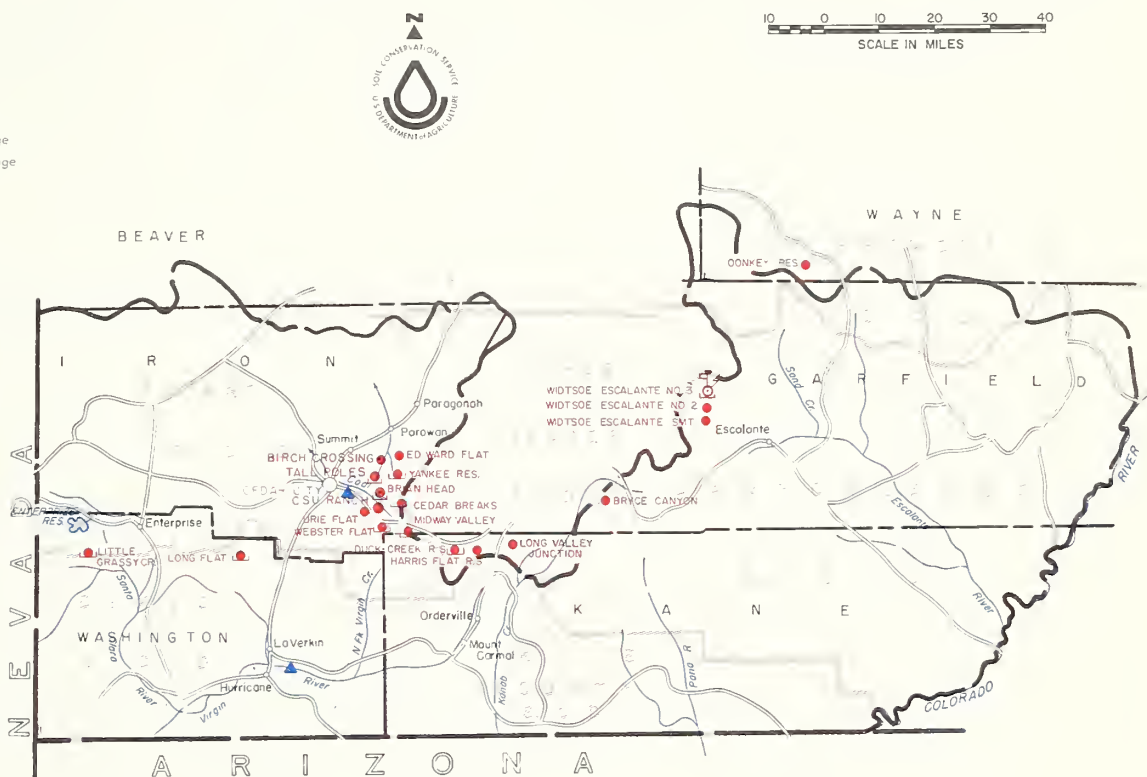
**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**

LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- Radio Telemetry
- Radio Base Station
- Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



THE WATER SUPPLY OUTLOOK FOR SOUTHERN UTAH IS VERY GOOD FOR THE 1972 SEASON.

MOUNTAIN PRECIPITATION for the October-December fall period was about double the 15-year average (1953-67)

WATERSHED SOILS are well primed for future runoff and already helped produce good flows on the Virgin and Upper Sevier during a Christmas thaw.

SNOW COVER remaining on the watersheds is still 200 to 300% of the January 1 fifteen year average. Widtsoe-Escalante #3 and Urie Flat courses showed more water content than any January 1 since the records began.

RESERVOIR STORAGE in Lake Powell is now 8% higher than last year at this time and 52% of useable capacity.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>Colorado</u>	Lake Powe11	25002.0	13117.0	12129.0	- -

EAST GARFIELD, KANE, WASHINGTON & IRON

SNOW

SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>ESCALANTE RIVER</u>						
Widtsoe-Escalante Smt.	9500	12/29	31	5.5	4.1	2.6
Widtsoe-Escalante #2	9500	12/29	39	8.0	4.2	3.7
Widtsoe-Escalante #3	9500	12/29	49	11.3	5.4	4.5b
<u>PARIA RIVER</u>						
Bryce Canyon x	8000	12/30	16	2.8	3.2	1.4b
<u>VIRGIN RIVER & COAL CREEK</u>						
CSU Ranch	8200	12/29	26	6.6	6.7	- -
Duck Creek R.S.	8700	12/27	41	11.0	9.0	3.9b
Harris Flat x	7700	12/27	10	3.3	7.1	2.0b
Long Valley Jct.	7500	12/27	1	0.1	5.4	0.6b
Midway Valley x	9800	12/29	73	20.0	12.6	7.5b
Urie Flat	8450	12/29	25	7.2	6.5	1.8b
Webster Flat	9200	12/29	55	14.1	11.6	4.7b
<u>PAROWAN CREEK</u>						
Birch Crossing	8100	12/28	22	5.6	3.2	- -
Brian Head	10000	12/28	71	16.8	11.1	- -
Ed Ward Flat	8300	12/28	28	6.6	- -	- -
Tall Poles	8800	12/28	47	11.8	7.2	- -
Yankee Reservoir	8700	12/28	36	8.0	- -	- -
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>						
Little Grassy Creek	6100	12/30	6	0.9	- -	- -
Long Flat	8000	12/30	18	4.8	- -	- -

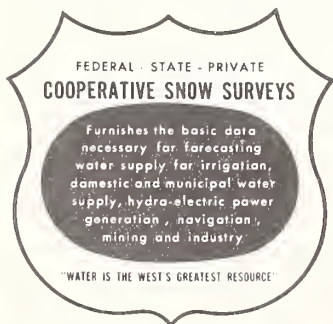
EAST GARFIELD, KANE, WASHINGTON & IRON

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>ESCALANTE RIVER</u>							
Widtsoe-Escalante #3	9500	12/29	- -	1.51b	11.29	6.14b	184
<u>VIRGIN RIVER</u>							
Duck Creek R. S.	8560	12/27	- -	2.53*	14.86	7.65*	194
Webster Flat	9200	12/29	- -	3.65b	16.25	7.64b	213
<u>COAL CREEK</u>							
Webster Flat x	9200	12/29	- -	3.65b	16.25	7.64b	213
<u>PAROWAN CREEK</u>							
Tall Poles	8800	12/28	- -	- -	12.99	- -	- -
Yankee Reservoir	8700	12/28	- -	- -	9.27	- -	- -
<u>ENTERPRISE TO NEW HARMONY DRAINAGE</u>							
Little Grassy Creek	6100	12/30	- -	- -	11.90	- -	- -
Long Flat	8000	12/30	- -	- -	9.67	- -	- -

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84111

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE



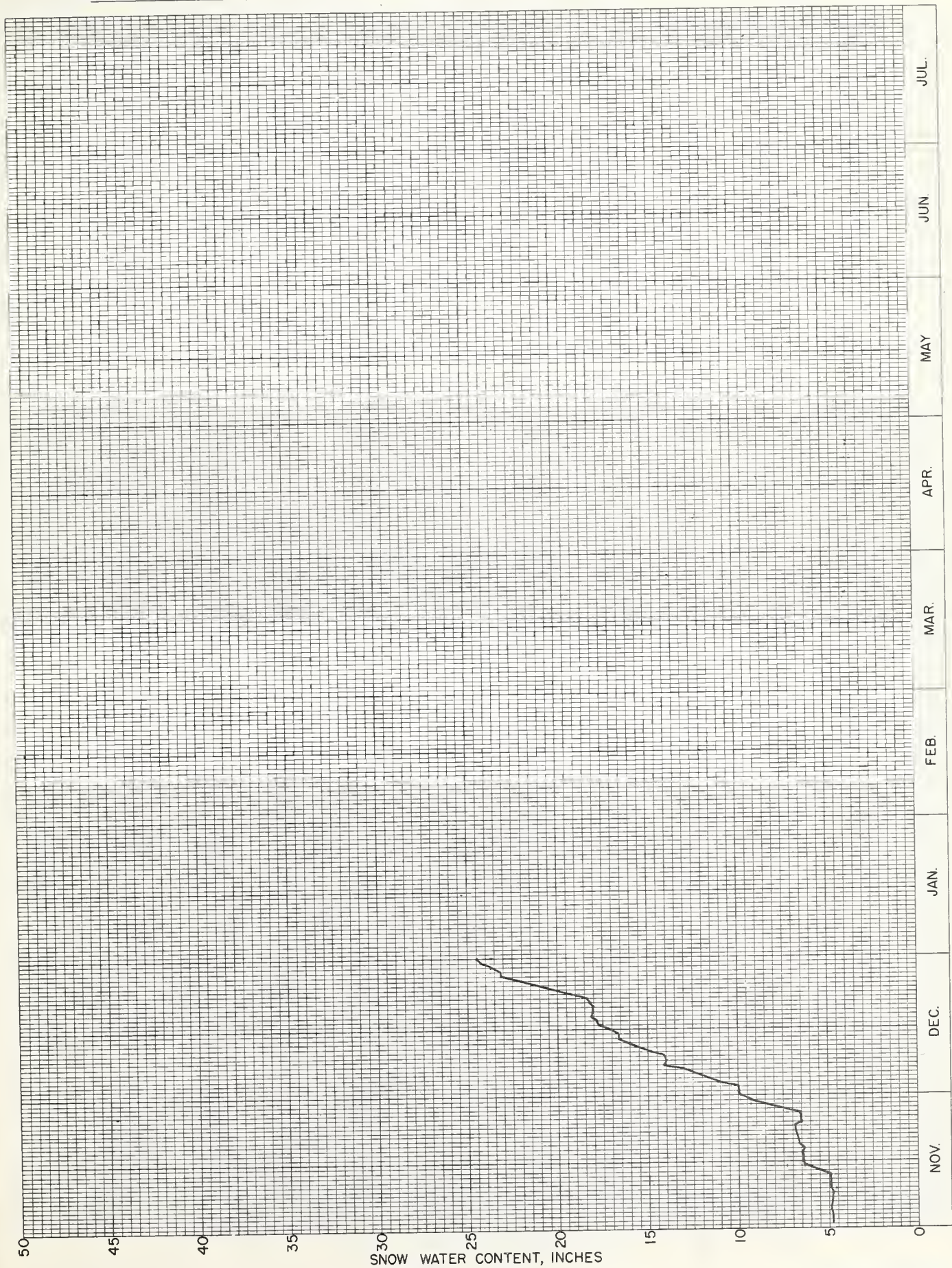
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

FARMINGTON CANYON (upper)

SNOW PILLOW DATA
WATER YEAR 1972

No. 11J11 Elev. 8000 Drainage: Farmington Creek



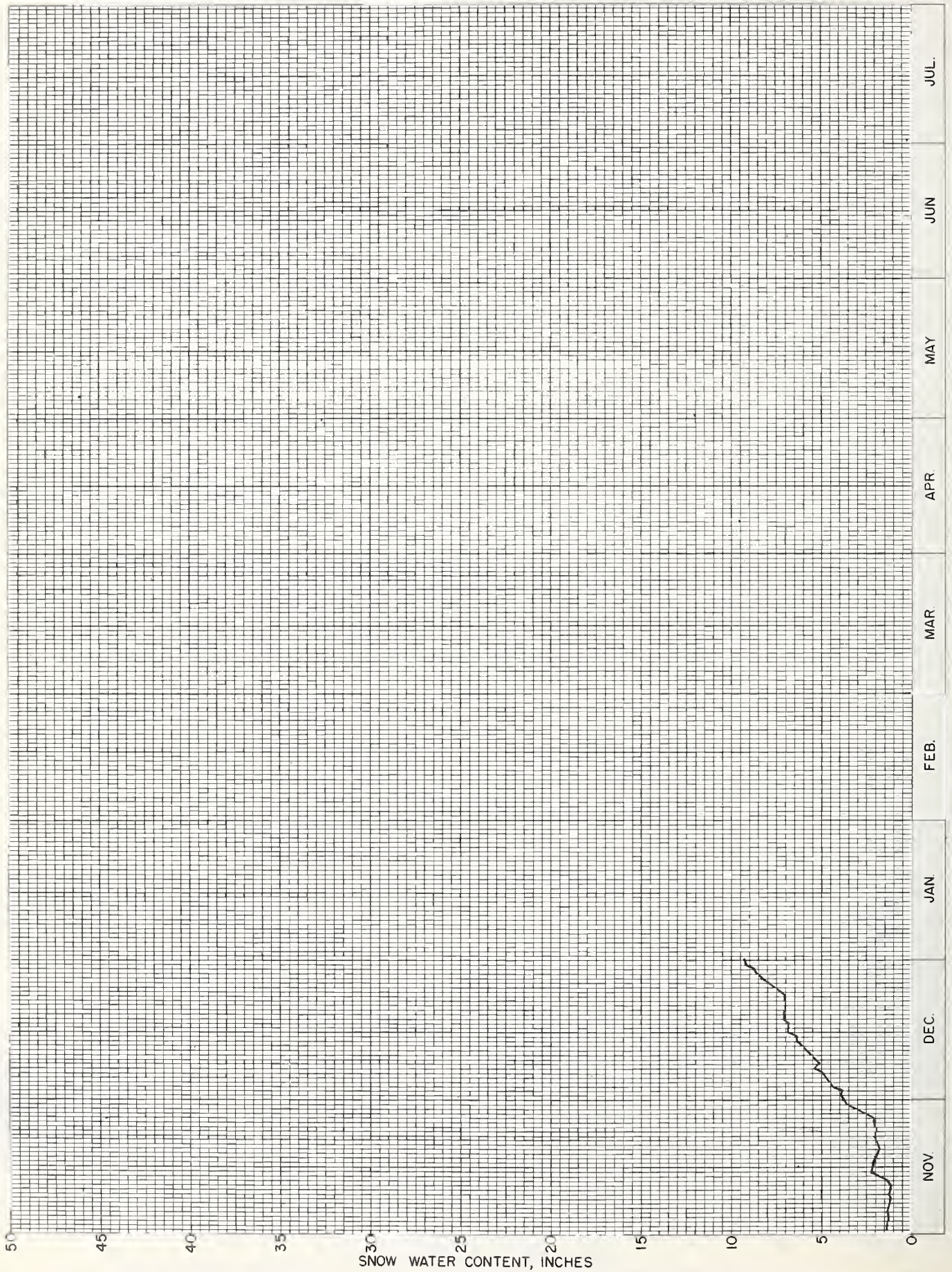
PARLEY'S CANYON SUMMIT

SNOW PILLOW DATA
WATER YEAR 1972

No. 11J15

Elev. 7500

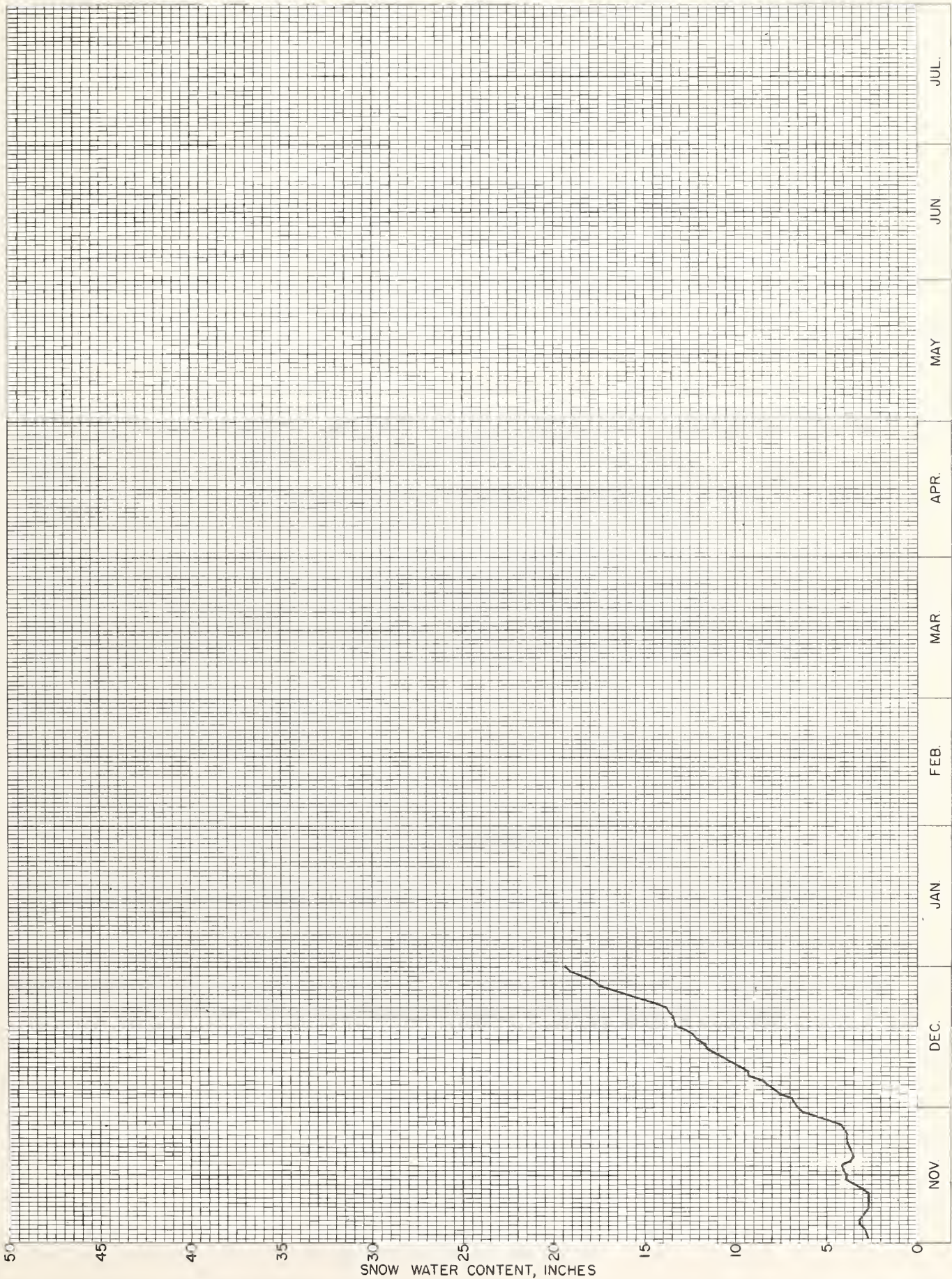
Drainage: East Canyon Crk. - Weber River



HORSE RIDGE

SNOW PILLOW DATA
WATER YEAR 1972

No. 11H21 Elev. 8260 Drainage: Lost Creek



Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG., — ROOM 5434
125 SOUTH STATE ST.
SALT LAKE CITY, UTAH 84111

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE



FIRST CLASS MAIL

FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*